「あすか」 OPERATION REPORT Ver.1.5

93 年 7 月 13 日　Y+ 143　KSC 当番: 伊藤 、 上野

NGC1313/PUP-A/PKS0438-436

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	930713–0102	930713–0205	930713–0308	930713–0412	930713–0515
Operation	X-REP OP-OG-WRT PAUSE RETRY TCU-MODE RETRY TCU-MODE OP-STRT	X-REP RNG ACS-MODE SCT-WRT AUT-SAF-DIS NSAS-ALGN-SET AUT-SAF-ENA OBS-MOD D0-ADRS-ON	X-REP ASC-MODE OBS-MODE BDR-STOP X-REP BDR-STOP D0-ADRS-ON	X-REP RNG	X-REP
Target	NGC1313	NGC1313	NGC1313	NCG1313	NGC1313
AOS(UT) LOS(UT)	00:32:53 00:44:16	02:14:06 02:25:59	03:55:01 04:07:56	05:37:07 05:50:09	07:18:36 07:30:38
Max-El Time	— —	56.484 02:19:24	Zenith —	64.510 05:42:44	24.297 07:24:11
Rep-band(stat.) Rep-start	X (NO-OPE) —	X (Completed) 02:14:59	X (Interrupted) 03:56:04/04:01:37	X (Completed) 05:37:43	X (Completed) 07:19:39
DP-mode	OBS	OBS/ACS/OBS	OBS/ACS/OBS	OBS	OBS
ACS-mode ACS-spn/θ_s Attitude	Normal–Pointing 14.47° $\begin{bmatrix} 49.372 \\ 156.742 \\ 43.249 \end{bmatrix}$	Normal–Pointing 14.55° $\begin{bmatrix} 49.372 \\ 156.742 \\ 43.249 \end{bmatrix}$	Normal-Pointing 14.60° $\begin{bmatrix} 49.372 \\ 156.742 \\ 43.248 \end{bmatrix}$	Normal–Pointing 14.64° $\begin{bmatrix} 49.372 \\ 156.742 \\ 43.248 \end{bmatrix}$	Normal–Pointing 14.71° $\begin{bmatrix} 49.372 \\ 156.741 \\ 43.248 \end{bmatrix}$
OP-start(CE)	00:41:31 (00h)	Cont (0Ah)	Cont (12h)	Cont (1Bh)	Cont (24h)
SIS-mode S0/1-TECT S0/1-CCDT	Faint/Faint 4CCD −38.13/−37.68 −61.67/−61.81	Faint/Faint 4CCD −38.47/−38.07 −61.67/−61.77	Faint/Faint 4CCD −38.42/−38.07 −61.67/−61.77	Faint/Faint 4CCD −37.69/−37.34 −61.71/−61.77	Faint/Faint 4CCD −36.38/−36.08 −61.67/−61.77
GIS-mode GIS LD Hit	PH 20cps/22cps	PH 27cps/26cps	PH 30cps/30cps	PH 31cps/33cps	PH 25cps/26cps

P	X	Y	R	S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10	8	8	5	0	FLF	—	3/4	48	159	218	14.2	14.1	407.54	183.84	2994
Pass: s9307130205							3/4	40	159	218	8.7		420.43	181.34	2706

GIS Mode Changes: no change

Condition Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B	Charge/Discharge
20.20/23.40	20.20/23.50	−4.12/4.75	−4.25/4.78	4.82/8.74	4.82/8.46	4.20142/4.15629

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
7/13 15:28	Pup A	2	(126.027 , -42.969)	(126.091 , 133.102 , 103.247)
7/13 20:15	PKS 0438-436	3	(70.0716 , -43.5524)	(70.001 , 133.817 , 49.086)
			(,)	(, ,)

Comment: 本日の運用: (1)昨晩の停電により、20m アンテナの自動追尾（捕捉）システムが作動せず、Pass 1 は X-band を lock できなかった。このため、12 日 18 時 (UT) ごろからのデータが失われた。受信途中 X-band 捕

捉を試みアンテナを振ったため、短時間Sも外れた。Pass 2 入感前に、追尾制御装置の再立ち上げにより復帰した。Part of the data for NGC1313 was lost because of antenna trouble. (2)Pass 2 で機上の NSAS アラインメントパラメータの更新を行なった。(3) There are at least two sources in the F.O.V of the GIS as well as the SIS, which can be associated with the LINER(at the center of NGC1313) and a possible X-ray binary respectively. GIS Count rates of the two sources are almost same ($\sim$0.1 cts/s/sensor). There may be some emission (???) near the position of SN1978K. (Ueno, Itoh)